Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-25 (Cancelled)

Claim 26 (Currently amended) An apparatus for release and deployment of a stretch resistant therapeutic device within a patient's vasculature, comprising:

a vasoocclusive coil having a proximal end and a distal end, said vasoocclusive coil defining a lumen between said proximal and distal ends;

an elongated pusher member having a distal end adjacent to said proximal end of said vasoocclusive coil;

at least one loop of fiber material attached to said elongated pusher member, said at least one loop of fiber material being severable by heating of said at least one loop of fiber material;

a loop attached to the proximal end of said coil and detachably mounted to said at least one loop of fiber material attached to the pusher member;

an electrical resistance heater wire disposed adjacent to said at least one loop of fiber material, said electrical resistance wire being connected to a control unit for heating and thereby severing said at least one loop of fiber material; and

a stretch resistant member extending through said lumen of said vasoocclusive coil, said stretch resistant member having first and second ends, said stretch resistant member being formed of a therapeutic non-metallic fiber material, and said stretch

resistant member being doubled and said stretch resistant member being fixedly attached to said vasoocclusive coil only at said distal end of said vasoocclusive coil forming a loop and said loop being detachably mounted to the distal end of the elongated pusher member by said at least one loop of fiber material to allow for placement of the vasoocclusive coil within the patient's vasculature.

Claim 27 (Original) The apparatus of Claim 26, wherein said stretch resistant member is formed of a ribbon.

Claim 28 (Cancelled)

Claim 29 (Original) The apparatus of Claim 26, wherein said stretch resistant member is formed of a braid.

Claim 30 (Original) The apparatus of Claim 26, wherein said stretch resistant member is formed of a primary wind.

Claim 31 (Original) The apparatus of Claim 26, wherein said stretch resistant member is formed of a stranded material.

Claim 32 (Original) The apparatus of Claim 26, wherein said stretch resistant member is formed of a multi-filament material.

Claim 33 (Original) The apparatus of Claim 26, wherein said stretch resistant member is formed of a twisted multi-filament material.

Claim 34 (Previously presented) The apparatus of Claim 26, wherein said therapeutic non-metallic fiber material is selected from the group consisting of silk, collagen, elastin, polyglycolic acid, polylactic acid, poly(D,L-lactic acid-co-glycolic acid), poly(L-lactide), poly(L-lactide-co-D,L-lactide), poly(L-lactide-co-glycolide),

poly(glycolide-co-trimethylene carbonate), polyethylene oxide, polydioxanone, polycaprolactone, hylauric acid, polyhydroxylbutyrate, poly(phosphazene), poly(D,L-lactide-co-caprolactone), poly(glycolide-co-caprolactone), polyvinyl alcohol, polyanhydrides thereof, poly(ortho esters) thereof, poly(phoshate esters) thereof, poly(amino acids) thereof, poly(hydroxy butyrates) thereof, copolymers thereof, composites thereof, and combinations thereof.

Claim 35 (Original) The apparatus of Claim 34, wherein said therapeutic non-metallic fiber material is a bioactive material.

Claim 36 (Original) The apparatus of Claim 34, wherein said therapeutic non-metallic fiber material is bioabsorbable.

Claim 37 (Original) The apparatus of Claim 34, wherein said therapeutic non-metallic fiber material is non-absorbable.

Claim 38 (Original) The apparatus of Claim 34, wherein a therapeutic agent is absorbed by said therapeutic non-metallic fiber material.

Claim 39 (Previously presented) The apparatus of Claim 26, wherein said therapeutic non-metallic fiber material is formed from a polymer selected from the group consisting of an ethylene-octene copolymer, polypropylene, polyethylene, polyacrylate, polyacrylamide, poly(hydroxyethyl methacrylate), polyurethane, polysiloxane, and copolymers thereof.

Claims 40-41 (Cancelled)

Claim 42 (Original) The apparatus of Claim 26, wherein said stretch resistant member is radiopaque.

Claim 43 (Previously presented) The apparatus of Claim 34 or 39, wherein the vasoocclusive coil is attached to the first and second ends of the stretch resistant member by heating of the first and second ends of the fiber.

Claims 44-60 (Cancelled)

Claim 61 (Currently amended) The apparatus of Claim 26, wherein said ~~connector fiber~~ at least one loop of fiber material is formed from a thermoplastic material.

Claim 62 (Currently amended) The apparatus of Claim 26, wherein said ~~connector fiber~~ at least one loop of fiber material is formed from polyethylene.

Claims 63-90 (Cancelled)

Claim 91 (Currently amended) A stretch resistant therapeutic device for release and deployment within a patient's vasculature, comprising:

a vasoocclusive coil having a proximal end and a distal end, said vasoocclusive coil defining a lumen between said proximal and distal ends;

a loop attached to the proximal end of said coil;

a stretch resistant member extending throughout said lumen, said stretch resistant member consisting of a therapeutic non-metallic fiber material that is doubled to form a loop and fixedly attached to said vasoocclusive coil only at said distal end of said vasoocclusive coil, said loop being detachably mountable to an elongated pusher member to allow for placement of the vasoocclusive coil within the patient's vasculature.

Claim 92 (Previously presented) The stretch resistant therapeutic device of Claim 91, wherein said stretch resistant member is formed of a ribbon.

Claim 93 (Previously presented) The stretch resistant therapeutic device of Claim 91, wherein said stretch resistant member is formed of a braid.

Claim 94 (Previously presented) The stretch resistant therapeutic device of Claim 91, wherein said stretch resistant member is formed of a primary wind.

Claim 95 (Previously presented) The stretch resistant therapeutic device of Claim 91, wherein said stretch resistant member is formed of a stranded material.

Claim 96 (Previously presented) The stretch resistant therapeutic device of Claim 91, wherein said stretch resistant member is formed of a multi-filament material.

Claim 97 (Previously presented) The stretch resistant therapeutic device of Claim 91, wherein said stretch resistant member is formed of a twisted multi-filament material.

Claim 98 (Previously presented) The stretch resistant therapeutic device of Claim 91, wherein said therapeutic non-metallic fiber material is selected from the group consisting of silk, collagen, elastin, polyglycolic acid, polylactic acid, poly(D,L-lactic acid-co-glycolic acid), poly(L-lactide), poly(L-lactide-co-D,L-lactide), poly(L-lactide-co-glycolide), poly(glycolide-co-trimethylene carbonate), polyethylene oxide, polydioxanone, polycaprolactone, hylauric acid, polyhydroxylbutyrate, poly(phosphazene), poly(D,L-lactide-co-caprolactone), poly(glycolide-co-caprolactone), polyvinyl alcohol, polyanhydrides thereof, poly(ortho esters) thereof, poly(phoshate esters) thereof, poly(amino acids) thereof, poly(hydroxy butyrates) thereof, copolymers thereof, composites thereof, and combinations thereof.

Claim 99 (Previously presented) The stretch resistant therapeutic device of Claim 98, wherein said therapeutic non-metallic fiber material is a bioactive material.

Claim 100 (Previously presented) The stretch resistant therapeutic device of Claim 98, wherein said therapeutic non-metallic fiber material is bioabsorbable.

Claim 101 (Previously presented) The stretch resistant therapeutic device of Claim 98, wherein said therapeutic non-metallic fiber material is non-absorbable.

Claim 102 (Previously presented) The stretch resistant therapeutic device of Claim 98, wherein a therapeutic agent is absorbed by said therapeutic non-metallic fiber material.

Claim 103 (Previously presented) The stretch resistant therapeutic device of Claim 91, wherein said therapeutic non-metallic fiber material is formed from a polymer selected from the group consisting of an ethylene-octene copolymer, polypropylene, polyethylene, polyacrylate, polyacrylamide, poly(hydroxyethyl methacrylate), polyurethane, polysiloxane, and copolymers thereof.

Claim 104 (Previously presented) The stretch resistant therapeutic device of Claim 91, wherein said stretch resistant member is radiopaque.

Claim 105 (Previously presented) The stretch resistant therapeutic device of Claim 103, wherein the vasoocclusive coil is attached to the stretch resistant member by heating the therapeutic non-metallic fiber material.

Claims 106-107 (Cancelled)